

National Water Research Institute

FOR IMMEDIATE RELEASE

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PROCEEDINGS FROM FIRST NWRI FELLOWSHIP RESEARCH CONFERENCE NOW AVAILABLE

FOUNTAIN VALLEY, Calif. – The National Water Research Institute (NWRI) is pleased to announce that the Proceedings from the First Annual Graduate Fellowship Research Conference are available by download at www.nwri-usa.org.

The Graduate Fellowship Conference was held on Friday, April 13, 2007, in Orange, California, to showcase the work of graduate students at different universities in the U.S. who are researching topics related to water resources. Conference sponsors included the Joan Irvine Smith and Athalie R. Clarke Foundation, Boyle Engineering Corporation, Cargill, Inc., Carollo Engineers, CDM, Kennedy/Jenks Consultants, Malcolm Pirnie, Inc., and MWH.

The Proceedings include abstracts on the following topics:

- Using nutrient criteria in determining water body impairment to best inform decision making.
- Assessing the impact of urban drainage network patterns on flooding in small urban catchment areas.
- Rapidly detecting infectious coliphage as indicators of fecal contamination of water.
- Using solar ultraviolet light to change the DNA and infectivity of *Cryptosporidium* and *Giardia*.
- Modeling simultaneous precipitation and flocculation in water treatment.
- Modeling membrane performance in reverse osmosis.
- Developing a treatment model for high ionic waste streams.
- Comparing ultraviolet processes used to treat endocrine disrupting compounds in drinking water.
- Removing antimicrobial compounds by photochemical and biological oxidation processes.
- Developing an analytic element method to efficiently simulate groundwater flow.
- Assessing gravity and drawdown measurements to better estimate hydraulic conductivity and yield during unconfined aquifer testing.

The abstracts were written and presented by doctoral students ranging from Princeton University to the University of California, Los Angeles. Each of these students was a recipient of fellowship funding from NWRI for the 2006-2007 academic year.

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NWRI provides fellowship funding to support graduate students conducting water-related research. On average, NWRI provides fellowship funding of over \$100,000 annually to graduate students at colleges all across the nation. More information about NWRI's Fellowship Program can be found at www.nwri-usa.org/Fellowship.

The 74-page conference Proceedings are available in color by complimentary download. PowerPoint presentations on CD-ROM are also available upon request. Please visit www.nwri-usa.org to download or for more information.

The National Water Research Institute (NWRI) was founded in 1991 by a group of Southern California water agencies in partnership with the Joan Irvine Smith and Athalie R. Clarke Foundation to promote the protection, maintenance, and restoration of water supplies and to protect the freshwater and marine environments through the development of cooperative research work. NWRI's member agencies include Inland Empire Utilities Agency, Irvine Ranch Water District, Los Angeles Department of Water and Power, Orange County Sanitation District, Orange County Water District, and West Basin Municipal Water District.

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